

## REMARKS

Claim 1 calls for a structure having an implanted region wherein the ratio of germanium to P-type impurities is greater than one.

It is believed that the office action is relying on the teaching of dose in the cited references. However, dose is different than concentration. Dose is simply the rate of application. It does not give you enough information to determine concentration unless you know how long the dose was applied.

As shown in Figure 6, the determining factor in forming a strained source drain junction is the ratio of concentrations, not the ratio of doses. Therefore, since none of the references teach forming a strained junction and there is no reason to believe they intended to do so, absent information about the resulting concentration, there is no reasonable basis to conclude that any of these references inherently teach the claimed limitation. In order to be inherent, the references must necessarily achieve the claimed invention. Here, it is not necessarily the case.

For example, as shown in Figure 6 of the present application in the upper left hand figure, despite the fact that the dose is the same as the dose in the upper right hand figure and the energy is the same, the figure on the left shows no strain, while the figure on the right shows strain. Thus, it is clear that dose is not sufficient to predict concentration or the occurrence of source drain strain.

Therefore, reconsideration of the rejection of claim 11 is respectfully requested.

On the same analysis, claim 13 distinguishes over the art.

Likewise, claim 17 distinguishes over the art.

On a similar analysis, claim 20 must distinguish over the art since it calls for the source and drain region being strained. As pointed out above, there is no basis upon which to conclude that any of the references necessarily form strained source drain junctions.

Therefore, reconsideration is respectfully requested.

Respectfully submitted,

Date: July 12, 2004



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